

FORECASTING AND CONTROLLING NEUROLOGICAL DISTURBANCES

Patent number: CA2425122

Publication date: 2002-06-27

Inventor: ESTELLER ROSANA (US); LITT BRIAN (US); VACHTSEVANOS GEORGE JOHN (US); ECHAUZ JAVIER RAMON (US)

Applicant: TRUSTEES OF THE UNIVERSITY OF (US)


Classification:


- international: **A61B5/04; A61B5/0482; A61B5/07; A61N1/08; A61B5/00; A61B5/04; A61B5/0476; A61B5/07; A61N1/08; A61B5/00; (IPC1-7): A61N1/18**
- european: **A61B5/0482; A61B5/07D**


Application number: CA20012425122 20011211


Priority number(s): US20000735364 20001212; WO2001US48035 20011211

Also published as:

 WO0249500 (A3)

 WO0249500 (A2)

 US6594524 (B2)

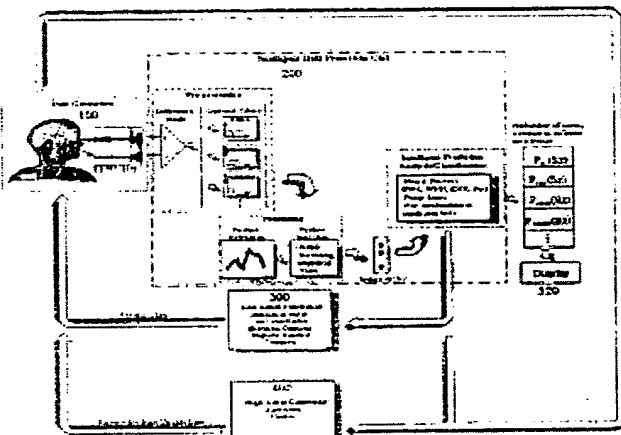
 US2002103512 (A1)

BEST AVAILABLE COPY

[Report a data error here](#)

Abstract of CA2425122

A method and apparatus for forecasting and controlling neurological Abnormalities in humans such as seizures or other brain disturbances. The system is based on a multi-level control strategy (200). Forecasting is achieved by indicating the probability of an oncoming seizure within one or more time frames, which is accomplished through an inner-loop control law and a feedback necessary to prevent or control the neurological event by either electrical, chemical, cognitive, sensory, and/or magnetic stimulation (300).



Data supplied from the **esp@cenet** database - Worldwide